

What is claimed is:

1. A method for isolating oleuropein aglycon from raw olive vegetation water, said method comprising:
  - (a) adding citric acid and heat to the raw olive vegetation water;
  - (b) collecting an aqueous immiscible oleuropein aglycon-containing constituent from the aqueous mixture;
  - (c) extracting oleuropein aglycon from the aqueous immiscible constituent with a non-polar, organic solvent; and
  - (d) removing the solvent.
2. The method of claim 1, wherein the non-polar, organic solvent is a mixture of hexane and acetone.
3. The method of claim 1, wherein the non-polar, organic solvent is a mixture of hexane/acetone in a ratio of between about 60/40 (vol/vol) to about 40/60.
4. The method of claim 1, wherein the non-polar, organic solvent is a mixture of hexane/acetone in a ratio of about 50/50 (vol/vol).
5. The method of claim 1, wherein the citric acid is added to a concentration of about 0.1% (by weight).

6. A method for isolating oleuropein aglycon from raw olive vegetation water, said method comprising:
- (a) adding about 0.01 % to about 1.0 % citric acid;
  - (b) adding about 10% (by volume) olive pomace oil;
  - (c) heating the mixture;
  - (d) collecting an aqueous immiscible oleuropein aglycon-containing constituent from the aqueous mixture;
  - (e) extracting oleuropein aglycon from the aqueous immiscible constituent with a non-polar, organic solvent; and
  - (f) removing the solvent.
7. The method of claim 6, wherein about 0.1 % citric acid is added to the raw olive vegetation water.
8. The method of claim 6, wherein about 10 % olive pomace oil is added to the raw olive vegetation water.
9. The method of claim 6, wherein the raw olive vegetation water is heated to about 100°C for about one hour.
10. The method of claim 6, wherein the step of collecting an aqueous immiscible oleuropein aglycon-containing constituent from the aqueous mixture is followed by a drying step.

11. The method of claim 6, wherein the step of extracting oleuropein aglycon from the aqueous immiscible constituent with a non-polar, organic solvent is performed using a solvent mixture comprising about 40 % (by volume) or more hexane.
12. The method of claim 6, wherein the extraction of step (e) is followed by a solvent removal step.
13. The method of claim 12, wherein the solvent removal step includes a step of adding treated water to an oleuropein aglycon-rich fraction from which solvent is being removed.